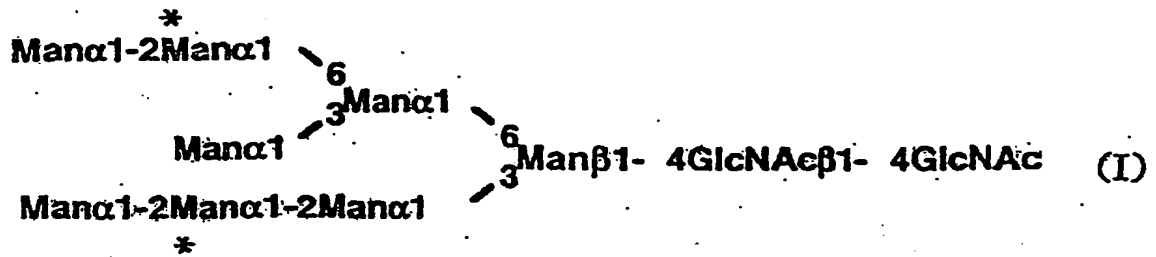


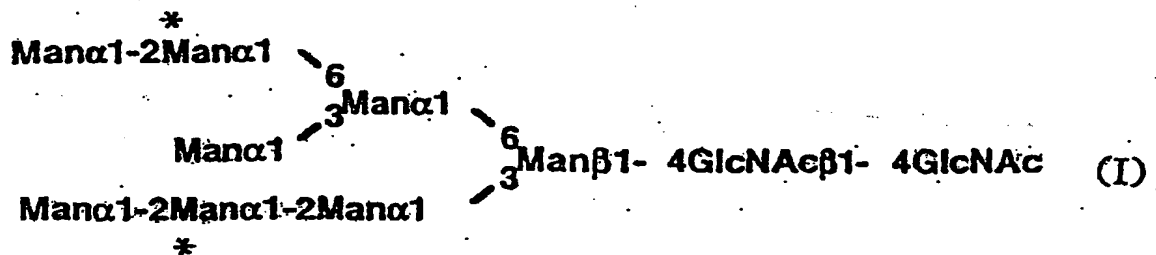
producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (I):



wherein Man represents mannose, GlcNAc represents N-acetylglucosamine, and * represents a site capable of being phosphorylated, as an Asparagine-linked sugar chain, in the cultured product;

collecting the glycoprotein from the cultured product; and
recovering the oligosaccharide from the collected glycoprotein.

8. (Amended) A process for producing a glycoprotein, comprising the steps of:
culturing the yeast mutant according to claim 1, in a medium;
producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (I):

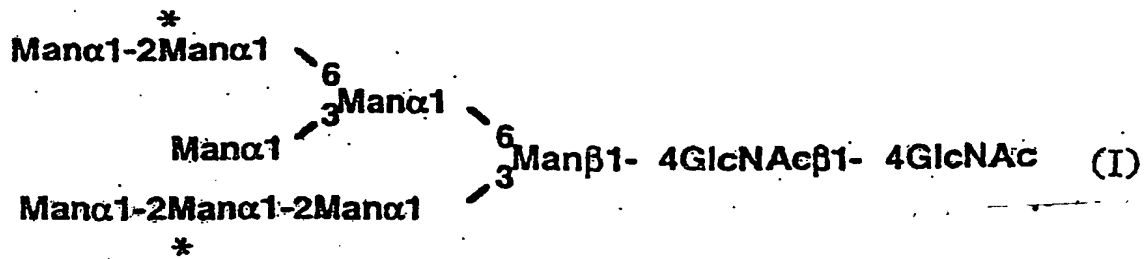


wherein Man represents mannose, GlcNAc represents N-acetylglucosamine, and * represents a site capable of being phosphorylated, as an Asparagine-linked sugar chain, in the cultured product; and

collecting the glycoprotein from the cultured product.

9. (Amended) A process for producing a glycoprotein, comprising the steps of:
culturing the yeast mutant according to claim 1, which has been transformed with a recombinant plasmid containing a gene coding for a mammalian-derived Asparagine-linked glycoprotein in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (I):



wherein Man represents mannose, GlcNAc represents N-acetylglucosamine, and * represents a site capable of being phosphorylated, as an Asparagine-linked sugar chain, in the cultured product; and

collecting the glycoprotein from the cultured product.

11. (Amended) A yeast mutant in which at least one gene associated with biosynthesis of a mammalian type sugar chain is introduced into the yeast mutant according to claim 1.

12. (Amended) A process for producing an oligosaccharide, comprising the steps of:

culturing the yeast mutant according to claim 11 in a medium;
 producing and accumulating a glycoprotein containing an oligosaccharide as an Asparagine-linked sugar chain in the cultured product;
 collecting the glycoprotein from the cultured product; and
 recovering the oligosaccharide from the collected glycoprotein.

13. (Amended) A process for producing a glycoprotein, comprising the steps of:
 culturing the yeast mutant according to claim 11 in a medium;
 producing and accumulating a glycoprotein containing an oligosaccharide as a Asparagine-linked sugar chain in the cultured product; and
 collecting the glycoprotein from the cultured product.

14. (Amended) A process for producing a glycoprotein, comprising the steps of:
culturing the yeast mutant according to claim 11, which has been transformed with a recombinant plasmid containing a gene coding for a mammalian-derived Asparagine-linked glycoprotein, in a medium;

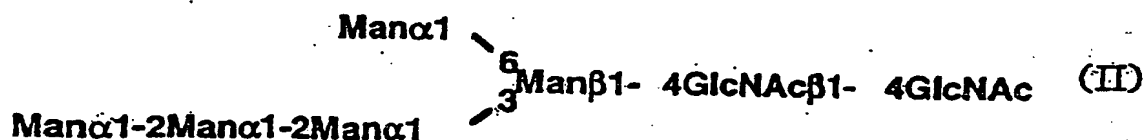
producing and accumulating a glycoprotein containing an oligosaccharide as an Asparagine-linked sugar chain in the cultured product; and
collecting the glycoprotein from the cultured product.

17. (Amended) The yeast mutant according to claim 15, wherein the auxotrophic mutation trait is selected from ura3 mutation, his3 mutation, leu2 mutation, ade2 mutation, trp1 mutation, and can1 mutation.

21. (Amended) A process for producing an oligosaccharide, comprising the steps of:

culturing the yeast mutant according to claim 15 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (II):



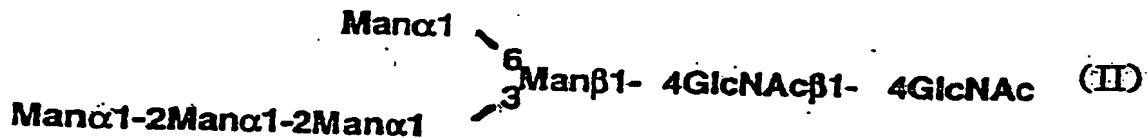
wherein Man represents mannose and GlcNAc represents N-acetylglucosamine, as an Asparagine-linked sugar chain, in the cultured product;

collecting the glycoprotein from the cultured product; and

recovering the oligosaccharide from the collected glycoprotein.

22. (Amended) A process for producing a glycoprotein, comprising the steps of:
culturing the yeast mutant according to claim 15 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (II):



wherein Man represents mannose and GlcNAc represents N-acetylglucosamine, as an Asparagine-linked sugar chain, in the cultured product; and
collecting the glycoprotein from the cultured product.

25. (Amended) A yeast mutant in which at least one gene associated with biosynthesis of a mammalian type sugar chain is introduced into the yeast mutant according to claim 15.

26. (Amended) A process for producing an oligosaccharide, comprising the steps of:
culturing the yeast mutant according to claim 25 in a medium;
producing and accumulating a glycoprotein containing an oligosaccharide as an Asparagine-linked sugar chain in the cultured product;
collecting the glycoprotein from the cultured product; and
recovering the oligosaccharide from the collected glycoprotein.

27. (Amended) A process for producing a glycoprotein, comprising the steps of:
culturing the yeast mutant according to claim 25 in a medium;
producing and accumulating a glycoprotein containing an oligosaccharide as an Asparagine-linked sugar chain in the cultured product; and
collecting the glycoprotein from the cultured product.

28. (Amended) A process for producing a glycoprotein, comprising the steps of:
culturing the yeast mutant according to claim 25, which has been transformed with a recombinant plasmid containing a gene coding for a mammalian-derived Asparagine-linked glycoprotein, in a medium;
producing and accumulating a glycoprotein containing an oligosaccharide as an